

State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
Division of Aquatic Resources
Honolulu, Hawaii 96813

January 12, 2007

Board of Land and
Natural Resources
Honolulu, Hawaii

REQUEST FOR AUTHORIZATION TO ISSUE ONE
NORTHWESTERN HAWAIIAN ISLANDS STATE MARINE REFUGE
RESEARCH, MONITORING AND EDUCATION PERMIT
TO MS. AULANI WILHELM OF
THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION,
NORTHWESTERN HAWAIIAN ISLANDS MARINE NATIONAL MONUMENT,
FOR MANAGEMENT ACTIVITIES WITHIN CERTAIN STATE WATERS,
VALID FROM JANUARY 1, 2007 TO DECEMBER 31, 2007

The Division of Aquatic Resources (DAR) hereby submits a request to the Board of Land and Natural Resources (the "Board") for authorization to issue one Northwestern Hawaiian Islands (NWHI) State Marine Refuge Access and Activity Permit to Ms. 'Aulani Wilhelm (the "Applicant") of the Department of Commerce, National Oceanic and Atmospheric Administration, Northwestern Hawaiian Islands Marine National Monument. The Research, Monitoring and Education Permit, as described below, will continue to allow entry and management activities to occur in the NWHI State Marine Refuge (0-3 miles) waters surrounding the following sites:

- Nihoa Island,
- Necker Island (Mokumanamana),
- French Frigate Shoals,
- Laysan,
- Maro,
- Gardner Pinnacles,
- Lisianski Island, Neva Shoal,
- Pearl and Hermes Atoll,
- Kure Atoll, State Wildlife Refuge.

The activities covered under this permit will occur from January 1, 2007 through December 31, 2007.

INTENDED ACTIVITIES:

The Northwestern Hawaiian Islands Marine National Monument (the "Monument") was created by Presidential proclamation and signed by President Bush on June 15, 2006, following a long line of federal legislations in providing protections of various levels for the land, waters and the precious resources in this vast and pristine area. It is the single largest conservation area under the U.S. flag, and the largest marine conservation area in the world. It encompasses 137,792 square miles of the Pacific Ocean – an area larger than all the country's national parks combined. Applicant is the Superintendent of the Monument.

The extensive coral reefs found in the NWHI – truly the rainforests of the sea – are home to over 7,000 marine species, one quarter of which are found only in the Hawaiian Archipelago. Many of the islands and shallow water environments are important habitats for rare species such as the threatened green sea turtle and the endangered Hawaiian monk seal. The NWHI are also of great cultural importance to Native Hawaiians with significant cultural sites found on the islands of Nihoa and Mokumanamana.

NOAA in concert with the U.S. Fish and Wildlife Service and the Department of Land and Natural Resources will perform coordinated management of the NWHI Hawaii State Marine Refuge, the NWHI Marine National Monument and the Hawaiian Islands National Wildlife Refuge to ensure proper care, protection and preservation of historic and scientific resources.

Scientific, cultural and maritime research are important parts of the overall operations of the Monument. The Monument's coral reef research program focuses on basic habitat characterization and compliments the work also undertaken by the NOAA-Fisheries Pacific Science Center's Coral Reef Ecosystem Division. Reef surveys have recorded the diversity and abundance of fishes, algae, corals, and other reef invertebrates at numerous locations throughout the archipelago. Historical and cultural resources such as shipwrecks have also been documented on shallow reefs by Monument and National Marine Sanctuary Pacific Region archaeologists. Research in deeper offshore waters has utilized multi-beam sonar and submersibles to document rarely seen biological resources and topographical features contained within Monument waters. The results of these shallow and deep-water research efforts will aid in the creation of joint management plans for the largest coral reef system in the United States.

This application is for a manager's permit to conduct activities only for the purposes of resource protection, conservation, management and monitoring on an "as needed" basis. This application is intended to cover all activities necessary to effectively manage the NWHI Marine National Monument. All activities to be conducted in the NWHI State Marine Refuge will be done in accordance with the Permitting Procedures, Criteria and Findings contained in Presidential Proclamation 8031, Northwestern Hawaiian Islands Hawaii State Marine Refuge Administrative Rules and the National Wildlife Refuge System Administration Act of 1966.

The scope of these activities is as follows:

1. Entrance into the State Marine Refuge by all authorized NOAA vessels conducting management activities under this permit.

2. Removing, moving, taking, harvesting, possessing, injuring, disturbing, or damaging; or attempting to remove, move, take, harvest, possess, injure, disturb, or damage any living or nonliving monument resource as necessary for the purposes of resource protection, conservation, management, and monitoring, in accordance with Presidential Proclamation 8031 and NWHI Hawaii State Marine Refuge Administrative Rules.
3. Altering non-coral substrate other than by anchoring a vessel; or constructing, placing, or abandoning any structure, material, or other matter on the submerged lands such as but not limited to:
 - Placement of measuring devices and related equipment;
 - Placement of weighted floats and/or lines affixed directly to the seabed for the purposes of grounding response, or benthic surveys
 - Setting of survey stakes;
 - Coring the seabed to determine adequacy of the substrate of installation of moorings, and permanent monitoring stations
 - Installation and maintenance of moorings, boundary buoys, and permanent monitoring stations;
 - Manipulation, relocation, or removal of coral rubble for the purposes of determining suitability of equipment for response and restoration operations;
 - Placement of scientific equipment; and
 - Removal of debris left behind from moorings, fishing and research activities or vessel groundings.

The above activities should be conducted for the purposes of resource protection, conservation, management and monitoring, in accordance with the Permitting Procedures, Criteria and Findings contained within Presidential Proclamation 8031 and NWHI Hawaii State Marine Refuge Administrative Rules.

4. Anchoring of authorized vessels on non-coral substrate only.
5. Touching coral, living or dead, for the purposes of resource protection, conservation, management and monitoring, in accordance with the Permitting Procedures, Criteria and Findings contained within Proclamation 8031 and the NWHI Hawaii State Marine Refuge Administrative Rules.
6. Swimming, snorkeling, or closed and/or open SCUBA diving.
7. The returning of seized State Marine Refuge and/or Monument resources to their natural environment in coordination with appropriate Federal or State resource agencies, and consistent with applicable legal authorities.
8. Any activity when a necessary part of an emergency response, injury assessment, mitigation, restoration, and monitoring, in coordination with appropriate Federal or State resource agencies and consistent with (where appropriate) NOAA, FWS and State of Hawaii Damage Assessment and Restoration policies and procedures.

All of the above activities will be conducted by NOAA NWHI Marine National Monument employees, contractors, volunteers or other Federal employees under the direction and administrative control of the Monument Superintendent in accordance with Presidential Proclamation 8031, the National Wildlife Refuge System Administration Act of 1966, as amended and the State Marine Refuge Administrative Rules.

REVIEW PROCESS:

The current application was received by DAR on November 16, 2006 and is now attached hereinafter for your review.

Scientific Reviews:

The preliminary permit application was sent out on November 16, 2006 for review and comment to the following scientific and governmental entities: DAR staff (5), Division of Forestry and Wildlife, Historic Preservation Division, and the Monument, and two Native Hawaiian entities. No negative comments or questions have been raised by the reviewers since then.

DAR reviewers are generally supportive of this application but expressed concerns for the scope of activities proposed by Applicant in this management permit application. Staff finds that the following tasks shall be considered as consistent with Applicant's management mission: entering the Refuge waters, anchoring and landing, conducting archeological research, and participating in Native Hawaiian cultural activities.

However, the other activities proposed by Applicant may not be necessary or justified under a management permit. They include taking or harvesting, possessing and transporting specimens, catching, killing, disturbing, observing wild animals, and interacting with sea turtles, monk seals, seabirds, live coral, ark shells or pearl oysters, jacks, grouper or sharks. These activities should be more accurately characterized as monitoring and research activities instead. If there is a need to undertake some of these activities for the purposes of response to an emergency incident, then they should be allowed but many of these activities seem incidental to the specific actions necessary to manage the resources and are thus more of a research and monitoring focus.

This question has been forwarded to Applicant who responded on November 29, 2006. The issue was also a discussion topic in a permits coordination group meeting on December 27, 2006. Applicant's position is that the requested activities that have been identified are intended to allow the flexibility for them to do management, emergency response and monitoring activities.

Cultural Reviews:

This permit application has been brought to the attention of the State NWHI Cultural Working Group and some Native Hawaiians from different agencies and organizations, including the Office of Hawaiian Affairs, Center for Hawaiian Studies, and Kaho'olawe Island Reserve Commission. It was also one of the major discussion topics in the NWHI Cultural Working Group Meeting that was held on September 5, 2006. Applicant and her staff were present and

briefed the group on that application and the agency's long-term activity planning for the NWHI. All members of the Cultural Working Group present in the meeting were of opinions that gave overwhelming supports for Applicant's application and the Monument's mission in the NWHI.

On December 21, staff received formal comments from the Office of Hawaiian Affairs, which expressed supports for the FWS mission in the NWHI area and encourages further collaborations among the co-trustees and sharing of "the mandates and jurisdictions involved in the preservation of the natural and cultural resources of the NWHI".

STAFF OPINION:

DAR staff is of the opinion that Applicant has properly demonstrated valid justifications for her application, and that she and her staff should be allowed to enter the NWHI State waters and to conduct the management activities therein as specified in the application with the following special instructions and conditions, which are in addition to the General Conditions imposed by the Application Guidelines:

1. Allow Applicant's management activities and vessel operations as specified in the permit application at the State waters surrounding Nihoa Island, Necker Island (Mokumanamana), French Frigate Shoals, Laysan, Maro, Gardner Pinnacles, Lisianski Island, Neva Shoal, Pearl and Hermes Atoll, and the Kure Atoll State Wildlife Refuge. The permit shall cover the period from January 1, 2007 to December 31, 2007.
2. Require Applicant to inform and consult with DAR of their cruise plan before each of their trips to the NWHI and submit a post-cruise report to DAR after each trip during the year.
3. Allow the following activities as consistent with Applicant's management purposes: entering the Refuge waters, anchoring and landing, small vessel operations, swimming, snorkeling and or SCUBA diving, conducting archeological research, and participating in Native Hawaiian cultural activities.
4. Allow the Applicant to engage in emergency response activities as are needed to address threats to the resources of the Monument.
5. Direct that the following activities shall require prior approval and be further detailed under either a permit amendment or a separate permit application which clearly outlines the research and monitoring activities: taking or harvesting, possessing and transporting specimens, catching, killing, disturbing, observing wild animals, and interacting with sea turtles, monk seals, seabirds, live coral, ark shells or pearl oysters, jacks, grouper or sharks.
6. Direct that all forms of fishing, no matter for subsistence, sustenance, commercial or recreational purposes, are prohibited in State waters.

RECOMMENDATION:

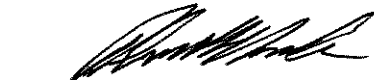
"That the Board authorize to issue, with stated conditions, a NWHI State Marine Refuge Research, Monitoring and Education Permit to Ms. 'Aulani Wilhelm of the U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Northwestern Hawaiian Islands Marine National Monument, for access and certain management activities within the designated State waters of the NWHI State Marine Refuge from January 1, 2007 through December 31, 2007."

Respectfully submitted,



DAN POLHEMUS
Administrator

APPROVED FOR SUBMITTAL



PETER T. YOUNG
Chairperson

APPENDIX 1

**State of Hawai'i
DLNR
Northwestern Hawaiian Islands State Marine
Refuge
Permit Application Form**

<i>For Office Use Only</i>
Permit No:
Expiration date:
Date Appl. Received: 11/16/2006
Appl. Fee received: N/A
NWHI Permit Review Committee date: 11/16/06
Board Hearing date: 1/12/2007
Post to web date: 1/5/2007

Type of Permit

- ☐ I am applying for a **Research, Monitoring & Education** permit. (Complete and mail Application)
- ☐ This application is for a NEW project in the State Marine Refuge.
- ☐ This application is for an ANNUAL RENEWAL of a previously permitted project in the State Marine Refuge.
- ☐ I am applying for a permit for a **Native Hawaiian** permit. (Complete and mail Application)
- ☐ This application is for a NEW project in the State Marine Refuge.
- ☐ This application is for an ANNUAL RENEWAL of a previously permitted project in the State Marine Refuge.
- ☒ I am applying for a **Special Activity** permit. (Complete and mail Application)
- ☐ This application is for a NEW project in the State Marine Refuge.
- ☒ This application is for an ANNUAL RENEWAL of a previously permitted project in the State Marine Refuge.

Briefly describe **Special permit** activity:

This is a Special Activity permit application to perform National Oceanic and Atmospheric Administration activities within the Northwestern Hawaiian Islands State Marine Refuge for the management of the Northwestern Hawaiian Islands Marine National Monument.

When will the NWHI activity take place?

- ☐ **Summer** (May-July of _____ (year))
Note: Permit request must be received before February 1st
Specific dates of expedition _____
- ☐ **Fall** (August-November) of _____ (year)
Note: Permit request must be received before May 1st
Specific dates of expedition _____

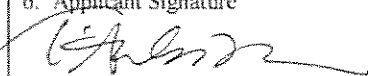
- ☒ **Other** 1 January 2007 through 31 December 2007.

NOTE: INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED

Please Send Permit Applications to:

NWHI State Marine Refuge Permit Coordinator
State of Hawai'i
Department of Land and Natural Resources
Division of Aquatic Resources
1151 Punchbowl Street, Room 330
Honolulu, Hawai'i 96813

NWHI State Marine Refuge Permit Application
See Appendix 2 for Application Instructions

Section A – Applicant Information	
1. Project Leader (attach Project Leader's CV or resume) <input checked="" type="checkbox"/> CV attached Wilhelm, T. 'Aulani Name: Last, First, Middle Initial	Superintendent Title
2. Mailing Address (Street/PO Box, City, State, Zip) Northwestern Hawaiian Islands Marine National Monument 6600 Kalaniana'ole Hwy, Suite 300 Honolulu, HI 96825	Telephone (808) 397-2660 Fax (808) 397-2662 Email Address Aulani.Wilhelm@noaa.gov
3. Affiliation (Institution/Agency/Organization) National Marine Sanctuary Program National Ocean Service National Oceanic and Atmospheric Administration	For graduate students, Major Professor's Name & Telephone N/A
4. Sub-Permittee/Assistant Names, Affiliations, and Contact Information <input type="checkbox"/> CV or resume attached Allen Tom, Randall Kosaki, Malia Chow, Andy Collins, Sean Corson, Moani Pai, Emily Fielding, Hoku Johnson, Kevin Grant, Kekuewa Kikilo, Keeley Belva, Kelly Gleason, Hans Van Tilburg, Kaylene Keller, Yumi Yasutake, Thomas Friel, Mark Guagliardo, John Champagne, Virginia Branco, Marlene Nonaka, Linda Schubert, Stephanie Lachance and additional specified individuals authorized in writing by the Monument Superintendent.	
5. Project Title National Oceanic and Atmospheric Administration (NOAA) activities within the Northwestern Hawaiian Islands State Marine Refuge for the management of the Northwestern Hawaiian Islands Marine National Monument.	
6. Applicant Signature 	7. Date (mm/dd/yyyy) 12/27/06

Section B: Project Information
8. (a) Project Location <input checked="" type="checkbox"/> NWHI State Marine Refuge (0-3 miles) waters surrounding: <input checked="" type="checkbox"/> Nihoa Island <input checked="" type="checkbox"/> Necker Island (Mokumanamana) <input checked="" type="checkbox"/> French Frigate Shoals <input checked="" type="checkbox"/> Laysan <input checked="" type="checkbox"/> Maro <input checked="" type="checkbox"/> Gardner Pinnacles <input checked="" type="checkbox"/> Lisianski Island, Neva Shoal <input checked="" type="checkbox"/> Pearl and Hermes Atoll <input checked="" type="checkbox"/> Kure Atoll, State Wildlife Refuge <input type="checkbox"/> Other NWHI location Describe project location (include names, GPS coordinates, habitats, depths and attach maps, etc. as appropriate). Application for activities to be conducted within the Hawaii State Marine Refuge at all above specified locations for the purposes of resource protection, conservation, management and monitoring in accordance with NWHI Hawaii State Marine Refuge Administrative Rules and

(b) check all actions to be authorized: NOTE: These actions are to be conducted for the purposes of resource protection, conservation, management, and monitoring, in accordance with NWHI Hawaii State Marine Refuge Administrative Rules and Presidential Proclamation 8031.

- ☒ Enter the NWHI Marine Refuge waters
- ☒ Take (harvest) ☒ Possess ☒ Transport (☐ Inter-island ☐ Out-of-state)
- ☒ Catch ☒ Kill ☒ Disturb ☒ Observe
- ☒ Anchor ☒ Land (go ashore) ☒ Archaeological research
- ☒ Interactions with Sea Turtles or Monk Seals ☒ Interactions with Seabirds
- ☒ Interactions with Live Coral, Ark Shells or Pearl Oysters
- ☒ Interactions with Jacks, Grouper or Sharks
- ☐ Conduct Native Hawaiian religious and/or cultural activities
- ☒ Other activities: Participate in Native Hawaiian cultural activities

(c) Collection of specimens – collecting activities (would apply to any activity): N/A

Organisms or objects (List of species, if applicable, add additional sheets if necessary):

Common name	Scientific name	No. & size of specimens	Collection Location(s)
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N/A

(d) What will be done with the specimens after the project has ended?

N/A

(e) Will the organisms be kept alive after collection? ☐ yes ☐ no N/A

- Specific site/location _____
- Is it an open or closed system? ☐ open ☐ closed N/A
- Is there an outfall? ☐ yes ☐ no N/A
- Will these organisms be housed with other organisms? If so, what are the other organisms?

N/A

(Please attach additional documentation as needed to complete the questions listed below)

9. Purpose/Need/Scope:

- State purpose of proposed activities:

This application is for a manager's permit to conduct activities only for the purposes of resource protection, conservation, management and monitoring on an "as needed" basis. This application is intended to cover all activities necessary to effectively manage the NWHI Marine National Monument. All activities to be conducted in the NWHI State Marine Refuge will be done in accordance with the Permitting Procedures, Criteria and Findings contained in Presidential Proclamation 8031, Northwestern Hawaiian Islands Hawaii State Marine Refuge Administrative Rules and the National Wildlife Refuge System Administration Act of 1966.

The scope of these activities is as follows:

1. Entrance into the State Marine Refuge by all authorized NOAA vessels conducting management activities under this permit.
2. Removing, moving, taking, harvesting, possessing, injuring, disturbing, or damaging; or attempting to remove, move, take, harvest, possess, injure, disturb, or damage any living or nonliving monument resource as necessary for the purposes of resource protection, conservation, management, and monitoring, in accordance with Presidential Proclamation 8031 and NWHI Hawaii State Marine Refuge Administrative Rules.
3. Altering non-coral substrate other than by anchoring a vessel; or constructing, placing, or abandoning any structure, material, or other matter on the submerged lands such as but not limited to:
 - a. Placement of measuring devices and related equipment;
 - b. Placement of weighted floats and/or lines affixed directly to the seabed for the purposes of grounding response, or benthic surveys
 - c. Setting of survey stakes;
 - d. Coring the seabed to determine adequacy of the substrate of installation of moorings, and permanent monitoring stations
 - e. Installation and maintenance of moorings, boundary buoys, and permanent monitoring stations;
 - f. Manipulation, relocation, or removal of coral rubble for the purposes of determining suitability of equipment for response and restoration operations;
 - g. Placement of scientific equipment; and
 - h. Removal of debris left behind from moorings, fishing and research activities or vessel groundings.

The above activities should be conducted for the purposes of resource protection, conservation, management and monitoring, in accordance with the Permitting Procedures, Criteria and Findings contained within Presidential Proclamation 8031 and NWHI Hawaii State Marine Refuge Administrative Rules.

4. Anchoring of authorized vessels on non-coral substrate only.
5. Touching coral, living or dead, for the purposes of resource protection, conservation, management and monitoring, in accordance with the Permitting Procedures, Criteria and Findings contained within Proclamation 8031 and the NWHI Hawaii State Marine Refuge Administrative Rules.
6. Swimming, snorkeling, or closed or open SCUBA diving.
7. The returning of seized State Marine Refuge and/or Monument resources to their natural environment in coordination with appropriate Federal or State resource agencies, and consistent with applicable legal authorities.
8. Any activity when a necessary part of an emergency response, injury assessment, mitigation, restoration, and monitoring, in coordination with appropriate Federal or State resource agencies and consistent with (where appropriate) NOAA, FWS and State of Hawaii Damage Assessment and Restoration policies and procedures.

Describe how your proposed activities will help provide information or resources to fulfill the State Marine Refuge purpose and to reach the Refuge goals and objectives.

NOAA will perform coordinated management of the NWHI Hawaii State Marine Refuge, the NWHI Marine National Monument and the Hawaiian Islands National Wildlife Refuge to ensure proper care, protection and preservation of historic and scientific resources.

- Give reasons why this activity must take place in the NWHI and cannot take place in the Main Hawaiian Islands, or elsewhere.

<p>This application is for management activities and support operations in the NWHI and therefore cannot take place elsewhere.</p>
<ul style="list-style-type: none"> Describe context of this activity, include history of the science for these questions and background. <p>Executive Order 13089 of June 11, 1998 and Executive Order 13178 of December 4, 2000 and Executive Order 13196 of January 18, 2001 created the NWHI Coral Reef Ecosystem Reserve. These respective Executive Orders as well as the process for designation of a National Marine Sanctuary identified the NWHI as an area with extreme historical, cultural and biological significance, deserving the highest forms of preservation and protection. Presidential Proclamation 8031 was issued on June 15, 2006 establishing the NWHI Marine National Monument, thereby preserving the marine islands and certain lands as necessary for the care and management of historic and scientific objects therein.</p>
<ul style="list-style-type: none"> Explain the need for this activity and how it will help to enhance survival or recovery of refuge wildlife and habitats. <p>NOAA will perform coordinated management of the NWHI Hawaii State Marine Refuge, the NWHI Marine National Monument and the Hawaiian Islands National Wildlife Refuge to ensure proper care, protection and preservation of historic and scientific resources.</p>
<ul style="list-style-type: none"> Describe how your proposed project can help to better manage the State Marine Refuge. <p>NOAA will perform coordinated management of the NWHI Hawaii State Marine Refuge, the NWHI Marine National Monument and the Hawaiian Islands National Wildlife Refuge to ensure proper care, protection and preservation of historic and scientific resources.</p>
<p>10. Procedures (include equipment/materials)</p> <p>The above activities will be conducted by NOAA NWHI Marine National Monument employees, contractors, volunteers or other Federal employees under the direction and administrative control of the Monument Superintendent in accordance with Presidential Proclamation 8031, the National Wildlife Refuge System Administration Act of 1966, as amended and the State Marine Refuge Administrative Rules.</p>
<p>11. Funding sources (attach copies budget & funding sources).</p> <p>All funding is provided through annual United States Congressional Appropriations. No attachments are included.</p>
<p>12. List all literature cited in this application as well as all other publications relevant to the proposed project.</p> <p>N/A</p>
<p>13. What types of insurance do you have in place? (attach documentation)</p> <p>Any authorized vessel will comply with required insurance requirements and documentation of such will be forthcoming.</p> <p><input checked="" type="checkbox"/> Wreck Removal</p> <p><input checked="" type="checkbox"/> Pollution</p>
<p>14. What certifications/inspections do you have scheduled for your vessel? (attach documentation)</p> <p>These inspections will be scheduled for authorized vessels for dates closer to the departure dates to better ensure that no introductions of alien species are made after the inspections and before entering the NWHI Hawaii State Marine Refuge. Scott Godwin, HIMB, will conduct the Hull inspection, tender vessel inspection, and ballast water inspection.</p> <p><input checked="" type="checkbox"/> Rat free <input checked="" type="checkbox"/> tender vessel <input type="checkbox"/> gear/equipment</p> <p><input checked="" type="checkbox"/> Hull inspection <input checked="" type="checkbox"/> ballast water</p>
<p>15. Other permits (list and attach documentation of all other required Federal or State permits).</p> <p>A permit application will be submitted to the NWHI Marine National Monument for these activities.</p>
<p>16. Project's relationship to other research projects within the NWHI State Marine Refuge, National Wildlife Refuge, NWHI Coral Reef Ecosystem Reserve, or elsewhere. N/A</p>

Section C: Logistics

17. Time Frame:

Project Start Date

1 January 2007

Project Completion Date

31 December 2007

Dates actively inside the State Marine Refuge.

1 January 2007 – 31 December 2007

Personnel schedule in the State Marine Refuge (describe who will be where and when).

NWHI Marine National Monument personnel or maintenance and logistical support contractors may be within the NWHI Hawaii State Marine Refuge at the following locations anytime throughout the year for NWHI Marine National Monument Management purposes:

The waters surrounding Nihoa Island

The waters surrounding Necker Island

The waters of French Frigate Shoals

The waters of Maro Reef

The waters surrounding Gardner Pinnacles

The waters surrounding Laysan Island

The waters of Neva Shoals (Lisianski Island)

The waters of Pearl and Hermes Atoll

The waters surrounding Kure Atoll

18. Gear and Materials N/A

☐ Dive equipment

☐ Radio Isotopes

☐ Collecting Equipment

☐ Chemicals (specify types)

19. Fixed installations and instrumentation. N/A

☐ Transect markers

☐ Acoustic receivers

☐ Other (specify)

20. Provide a time line for sample analysis, data analysis, write-up and publication of information.

N/A

21. Vessel Information:

Information for this section cannot be supplied at this time. The following information will be submitted formally no later than 30 days prior to any departure for the NWHI Hawaii State Marine Refuge.

Vessel Name _____ IMO Number _____

Vessel Owner _____ Flag _____

Captain's Name _____ Chief Scientist or Project Leader _____

Vessel Type _____ Call sign _____

Length _____ Gross tonnage _____

Port of Embarkation _____

Last port vessel will have been at prior to this embarkation _____

Total Ballast Water Capacity: Volume _____ m3 Total number of tanks on ship _____

Total Fuel Capacity: _____ Total number of fuel tanks on ship _____

Other fuel/chemicals to be carried on board and amounts:

Number of tenders/skiffs aboard and specific type of motors:

Does the vessel have the capability to hold sewage and grey-water? Describe in detail.

Does the vessel have a night-time light protocol for use in the NWHI? Describe in detail (attach additional pages as necessary)

On what workboats (tenders) will personnel, gear and materials be transported within the State Marine Refuge?

How will personnel, gear and materials be transported between ship and shore?

This information will be provided once authorized vessels are designated.

If applicable, how will personnel be transported between islands within any one atoll?